Notice of Allowability	Application No.	Applicant(s)	
	09/771,673	SPREY ET AL.	$\cap \setminus ($
	Examiner	Art Unit	
	Sylvia R MacArthur	1763	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to	plication. If not include will be mailed in due	ded e course. THIS
1. $igtimes$ This communication is responsive to <u>the amendment sent</u> .			
2. ⊠ The allowed claim(s) is/are <u>15-33</u> .			
3. $igotimes$ The drawings filed on 29 January 2001 are accepted by the	e Examiner.		
4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 1. Copies of the certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the priority documents have 3. Copies of the priority documents have 4. Copies of the priority documents have 5. Certified copies of the priority documents have 6. Co	been received. been received in Application No cuments have been received in this is of this communication to file a reply of ENT of this application. Itted. Note the attached EXAMINER' as reason(s) why the oath or declarate to be submitted. It be submitted. It is application on the Office of the submitted of the submitted. It is application on the Office of the submitted of the submitte	national stage applicational stage application of the front (not the fig.).	equirements NOTICE OF e back) of
Attachment(s) .	5. ☐ Notice of Informal Pa 6. ☑ Interview Summary (Paper No./Mail Date 3), 7. ☐ Examiner's Amendm 8. ☐ Examiner's Statement 9. ☐ Other	(PTO-413), e nent/Comment	ŕ
	\$	GREGORY YA UPERVISORY PATEN TECHNOLOGY CEN	T EXAMINER

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Adeel Akhtar and Zi Wong on July 22, 2004.

2. The application has been amended as follows:

In claim 15, line 19 "walls of" were added before the first occurrence of - - auxiliary - - and "walls of" were added before - piping—

Claim 28, now reads:

28. A system for etching a substrate, comprising:

an etching chamber for the substrate;

a piping system in fluid communication with the etching chamber and having at least a first fluid feed and a second fluid feed, wherein the first fluid feed is connected at a source end to a source of a first etching gas, wherein the second fluid feed is connected at a source end to a source of a second etching gas;

an auxiliary chamber positioned within the piping system and having an inlet and an outlet, wherein the inlet includes a first controllable shut-off valve and is in gas communication

with the first fluid feed and the outlet includes a second controllable shut- off valve and is in gas communication with the etching chamber;

a third controllable shut-off valve positioned in the piping system in the second fluid feed;

means for preventing diffusion of the second etching gas through the inlet of the auxiliary chamber by opening the first and second shut-off valves only one at a time and by opening the second and the third shut-off valves only one at a time: and

wherein the walls of the auxiliary chamber and the piping system upstream of the auxiliary chamber are each formed of different materials.

3. The following is an examiner's statement of reasons for allowance:

The prior art of record fails to teach or fairly suggest a system of etching a substrate wherein the walls of the auxiliary chamber and the piping system upstream of the auxiliary chamber are each formed of different materials.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sylvia R MacArthur whose telephone number is 571-272-1438. The examiner can normally be reached on M-F during the core hours of 8 a.m. and 2 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory L. Mills can be reached on 703-308-1633. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sylvia R MacArth Patent Examiner Art Unit 1763

July 23, 2004

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